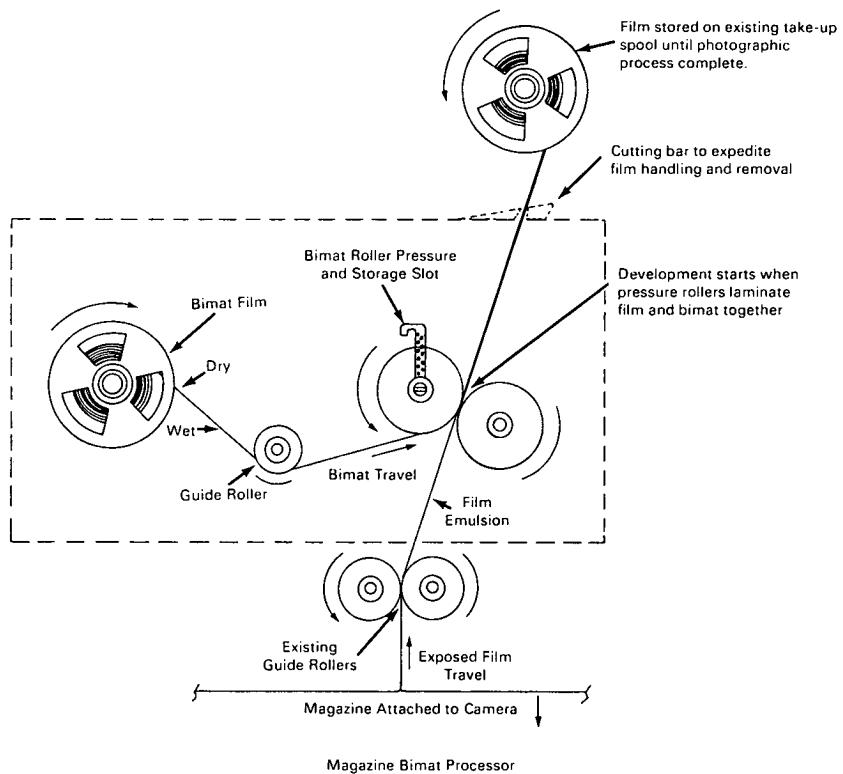


NASA TECH BRIEF



NASA Tech Briefs are issued to summarize specific innovations derived from the U.S. space program, to encourage their commercial application. Copies are available to the public at 15 cents each from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151.

A Concept for Magazine Bimat Processor



The problem:

To develop a method for rapid, on-site processing of photographic film. The present method is to expose film, deliver to photo lab for processing, and return to location where data analysis is made. This is both costly and time consuming.

The solution:

The Magazine Bimat Processor concept utilizes existing film magazines to process photographic film as the film is exposed.

How it's done:

Convert a standard magazine to a Bimat processor by adding three stainless steel rollers (one guide and two pressure). The exposed negative and Bimat film are laminated by the pressure rollers and wound on the take-up spool (see Figure). The Bimat transfer film consists of a 4-M16 polyester film with a hydrophilic gelatin layer containing physical development nuclei. All chemicals required for processing and fixing the negative are contained in the Bimat film.

(continued overleaf)

Notes:

1. Personnel concerned with rapid, on-site photographic analysis may be interested in this innovation.
2. This development is in conceptual stage only, and as of date of publication of this Tech Brief, neither a model nor prototype has been constructed.
3. No further documentation is available. Inquiries may be directed to:

Technology Utilization Officer
John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
Reference: B69-10275

Patent status:

No patent action is contemplated by NASA.

Source: Clermont E. Park of
The Boeing Company
under contract to
Kennedy Space Center
(KSC-06786)